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NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  MM      MM      SSSSSSSS  EEEEEEEEEE
NN      NN      CC      PP      PP  SS      TT      AA      AA  MMMM  MMMM  SS      EE
NN      NN      CC      PP      PP  SS      TT      AA      AA  MMMM  MMMM  SS      EE
NNNN    NN      CC      PP      PP  SS      TT      AA      AA  MM  MM  MM  SS      EE
NNNN    NN      CC      PPPPPPPP  SSSSSS  TT      AA      AA  MM  MM  MM  SSSSSS  EEEEEEEE
NN      NN      CC      PPPPPPPP  SSSSSS  TT      AA      AA  MM  MM  MM  SSSSSS  EEEEEEEE
NN      NN      CC      PP      SS      TT      AAAAAAAAAA  MM  MM  MM  SS      EE
NN      NNNN    CC      PP      SS      TT      AAAAAAAAAA  MM  MM  MM  SS      EE
NN      NNNN    CC      PP      SS      TT      AAAAAAAAAA  MM  MM  MM  SS      EE
NN      NN      CC      PP      SSSSSSSS  TT      AA      AA  MM  MM  SSSSSSSS  EEEEEEEEEE
NN      NN      CCCCCCCC  PP      SSSSSSSS  TT      AA      AA  MM  MM  SSSSSSSS  EEEEEEEEEE
NN      NN      CCCCCCCC  PP      SSSSSSSS  TT      AA      AA  MM  MM  SSSSSSSS  EEEEEEEEEE

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LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
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LL      II      SSSSSS
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LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

```
0001 0 XTITLE 'X.25 Server Module Parsing'
0002 0 MODULE NCPSTAMSE (IDENT = 'V04-000',LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
0025 1 *
0026 1 *****
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0030 1 ++
0031 1 FACILITY: Network Control Program (NCP)
0032 1
0033 1 ABSTRACT:
0034 1
0035 1 States and data for the parsing of NCP X.25 server module parameters
0036 1
0037 1 ENVIRONMENT: VAX/VMS Operating System
0038 1
0039 1 AUTHOR: Tim Halvorsen, July 1981
0040 1
0041 1 MODIFIED BY:
0042 1
0043 1 V03-009 PRD0069 Paul R. DeStefano 24-Feb-1984
0044 1 Accept 'KNOWN' as 'KNOWN DESTINATIONS'.
0045 1 Prompt for destination name when 'DESTINATION'
0046 1 parameter is entered without specifying a name.
0047 1
0048 1 V03-008 PRD0060 Paul R. DeStefano 05-Feb-1984
0049 1 Allow OBJECT parameter to accept both name and number.
0050 1
0051 1 V03-007 RPG0007 Bob Grosso 11-Nov-1982
0052 1 Make IPR 132 corrections.
0053 1 Remove node and file name prompt.
0054 1
0055 1 V03-006 RPG0006 Bob Grosso 15-Sep-1982
0056 1 Flag qualifier for ALL check.
0057 1
```


:	58	0058	1	:	V03-005	RPG0005	Bob Grosso	08-Sep-1982
:	59	0059	1	:			Change use of HXPS to HEX for CALL VALUE and CALL MASK.	
:	60	0060	1	:				
:	61	0061	1	:	V03-004	TMH0004	Tim Halvorsen	19-Aug-1982
:	62	0062	1	:			Remove FILE from the list of X25-SERVER wide paramter	
:	63	0063	1	:			prompting list, since it's a destination parameter.	
:	64	0064	1	:			Fix CALL MASK and CALL VALUE, so that they are sent	
:	65	0065	1	:			as HI in the NICE message.	
:	66	0066	1	:				
:	67	0067	1	:	V03-003	RPG0003	Bob Grosso	03-Aug-1982
:	68	0068	1	:			Prompt for ALL for CLEAR X-S DEST dest.	
:	69	0069	1	:			Add State and File.	
:	70	0070	1	:				
:	71	0071	1	:	V3-002	RPG0002	Bob Grosso	26-Jul-1982
:	72	0072	1	:			Add X29-Server, using common parsing.	
:	73	0073	1	:				
:	74	0074	1	:	V001	TMH0001	Tim Halvorsen	05-Apr-1982
:	75	0075	1	:			Fix prompting for DESTINATION parameters if none are	
:	76	0076	1	:			specified on the command line.	
:	77	0077	1	!--				

```
.. 79      0078 1 %SBTTL 'Definitions'
.. 80      0079 1
.. 81      0080 1
.. 82      0081 1  INCLUDE FILES:
.. 83      0082 1
.. 84      0083 1
.. 85      0084 1      LIBRARY 'LIB$:NMALIBRY';
.. 86      0085 1      LIBRARY 'LIB$:NCPLIBRY';
.. 87      0086 1      LIBRARY 'SYSSLIBRARY:TPAMAC';
.. 88      0087 1
.. 89      0088 1
.. 90      0089 1  EXTERNAL REFERENCES:
.. 91      0090 1
.. 92      0091 1
.. 93      0092 1      ACT_DFN      ! Action routine externals
.. 94      0093 1
.. 95      0094 1  EXTERNAL
.. 96      0095 1      NCP$GL_QUALPRS;      ! Record that a qualifier was present so that
.. 97      0096 1      ! the check for ALL will work correctly
.. 98      0097 1
.. 99      0098 1
.. 100     0099 1  LITERALS
.. 101     0100 1
.. 102     0101 1
.. 103     0102 1  LITERAL
.. 104     0103 1      QUALPRESENT = 1;      ! flag that a qualifier was present on the command line
```

```
106 0104 1 %SBTTL 'Set Parameter blocks'
107 0105 1
108 0106 1
109 0107 1
110 0108 1
111 0109 1
112 P 0110 1 BUILD_PCL
113 P 0111 1
114 P 0112 1 (MSE, ! Module X25-SERVER
115 P 0113 1
116 P 0114 1 DST, TKN, PCXS_DST, .
117 P 0115 1
118 P 0116 1 CTM, NUMW, PCXS_CTM, .
119 P 0117 1 MCI, NUMW, PCXS_MCI, .
120 P 0118 1 NOD, NADR, PCXS_NOD, .
121 P 0119 1 USR, TKN, PCXS_USR, .
122 P 0120 1 PSW, TKN, PCXS_SPW, .
123 P 0121 1 ACC, TKN, PCXS_ACC, .
124 P 0122 1 OBJ, OBJ, PCXS_OBJ, .
125 P 0123 1 PRI, NUMB, PCXS_PRI, .
126 P 0124 1 CMK, HEX, PCXS_CMK, .
127 P 0125 1 CVL, HEX, PCXS_CVL, .
128 P 0126 1 GRP, TKN, PCXS_GRP, .
129 P 0127 1 NUM, TKN, PCXS_NUM, .
130 P 0128 1 SAD, SAD, PCXS_SAD, .
131 P 0129 1
132 P 0130 1 STA, NUMB, PCXS_STA, .
133 P 0131 1 FIL, TKN, PCXS_FIL, .
134 P 0132 1
135 P 0133 1 . END, . .
136 P 0134 1 )
137 0135 1
138 0136 1
139 P 0137 1 BUILD_PBK
140 P 0138 1
141 P 0139 1 (MSE, ! Module X25-SERVER
142 P 0140 1
143 P 0141 1 CTM, NUMW, . .
144 P 0142 1 DST, TKN, . .
145 P 0143 1 KDS, LITB, NMASC_ENT_KNO, MSE_DST, ! KNOWN DESTINATIONS
146 P 0144 1 MCI, NUMW, . .
147 P 0145 1 NOD, NADR, . .
148 P 0146 1 USR, TKN, . .
149 P 0147 1 PSW, TKN, . .
150 P 0148 1 ACC, TKN, . .
151 P 0149 1 OBJ, OBJ, . .
152 P 0150 1 PRI, NUMB, . .
153 P 0151 1 CMK, HEX, . .
154 P 0152 1 CVL, HEX, . .
155 P 0153 1 GRP, TKN, . .
156 P 0154 1 NUM, TKN, . .
157 P 0155 1 SAD, SAD, . .
158 P 0156 1
159 P 0157 1 STAON, LITB, NMASC_STATE_ON, MSE_STA,
160 P 0158 1 STAOFF, LITB, NMASC_STATE_OFF, MSE_STA,
161 P 0159 1 FIL, TKN, . .
162 P 0160 1
```

```

.: 163      0161 1      )
.: 164      0162 1
.: 165      0163 1 BIND  PDB$G_MSE_ENT = UPLIT BYTE(0, %ASCIC 'X25-SERVER');
.: 166      0164 1
.: 167      P 0165 1      BUILD_SDB
.: 168      0166 1      (MSE, %NMASC_ENT_MOD, MSE_ENT, MSE)
.: 169      0167 1
.: 170      0168 1 BIND  PDB$G_M9S_ENT = UPLIT BYTE(0, %ASCIC 'X29-SERVER');
.: 171      0169 1
.: 172      P 0170 1      BUILD_SDB
.: 173      0171 1      (M9S, %NMASC_ENT_MOD, M9S_ENT, MSE)

```



```
.. 175      0172 1 %SBTTL 'Clear Parameter blocks'
.. 176      0173 1
.. 177      0174 1
.. 178      0175 1      Clear X25-SERVER Parameter Blocks
.. 179      0176 1
.. 180      0177 1
.. 181      P 0178 1      BUILD_PCL
.. 182      P 0179 1
.. 183      P 0180 1      (CSE,                                ! Module X25-SERVER
.. 184      P 0181 1
.. 185      P 0182 1      DST, TKN,                PCXS_DST, ,
.. 186      P 0183 1
.. 187      P 0184 1      CTM, LITB,                PCXS_CTM, ,
.. 188      P 0185 1      MCI, LITB,                PCXS_MCI, ,
.. 189      P 0186 1      NOD, LITB,                PCXS_NOD, ,
.. 190      P 0187 1      USR, LITB,                PCXS_USR, ,
.. 191      P 0188 1      PSW, LITB,                PCXS_PSW, ,
.. 192      P 0189 1      ACC, LITB,                PCXS_ACC, ,
.. 193      P 0190 1      OBJ, LITB,                PCXS_OBJ, ,
.. 194      P 0191 1      PRI, LITB,                PCXS_PRI, ,
.. 195      P 0192 1      CMK, LITB,                PCXS_CMK, ,
.. 196      P 0193 1      CVL, LITB,                PCXS_CVL, ,
.. 197      P 0194 1      GRP, LITB,                PCXS_GRP, ,
.. 198      P 0195 1      NUM, LITB,                PCXS_NUM, ,
.. 199      P 0196 1      SAD, LITB,                PCXS_SAD, ,
.. 200      P 0197 1
.. 201      P 0198 1      STA, LITB,                PCXS_STA, ,
.. 202      P 0199 1      FIL, LITB,                PCXS_FIL, ,
.. 203      P 0200 1
.. 204      P 0201 1      , END, , ,
.. 205      P 0202 1
.. 206      0203 1      )
.. 207      0204 1
.. 208      P 0205 1      BUILD_PBK
.. 209      P 0206 1
.. 210      P 0207 1      (CSE,                                ! Module X25-SERVER
.. 211      P 0208 1
.. 212      P 0209 1      ALL, LITB, 0, VRB_ALL,
.. 213      P 0210 1
.. 214      P 0211 1      CTM, LITB, 0, ,
.. 215      P 0212 1      DST, TKN, ,
.. 216      P 0213 1      KDS, LITB, NMA$C_ENT_KNO, CSE_DST,    ! KNOWN DESTINATIONS
.. 217      P 0214 1      MCI, LITB, 0, ,
.. 218      P 0215 1      NOD, LITB, 0, ,
.. 219      P 0216 1      USR, LITB, 0, ,
.. 220      P 0217 1      PSW, LITB, 0, ,
.. 221      P 0218 1      ACC, LITB, 0, ,
.. 222      P 0219 1      OBJ, LITB, 0, ,
.. 223      P 0220 1      PRI, LITB, 0, ,
.. 224      P 0221 1      CMK, LITB, 0, ,
.. 225      P 0222 1      CVL, LITB, 0, ,
.. 226      P 0223 1      GRP, LITB, 0, ,
.. 227      P 0224 1      NUM, LITB, 0, ,
.. 228      P 0225 1      SAD, LITB, 0, ,
.. 229      P 0226 1
.. 230      P 0227 1      STA, LITB, 0, ,
.. 231      P 0228 1      FIL, LITB, 0, ,
```


NCPSTAMSE
V04-000

X.25 Server Module Parsing
Clear Parameter blocks

J 13
16-Sep-1984 01:03:20
14-Sep-1984 12:48:30

VAX-11 Bliss-32 V4.0-742
[NCP.SRC]NCPSTAMSE.B32;1

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..	232	P	0229	1	
...	233		0230	1)
...	234		0231	1	
...	235	P	0232	1	BUILD_SDB
...	236	P	0233	1	
...	237		0234	1	(CSE, NMA\$C_ENT_MOD, MSE_ENT, CSE)
...	238		0235	1	
...	239	P	0236	1	BUILD_SDB
...	240	P	0237	1	
..	241		0238	1	(C9S, NMA\$C_ENT_MOD, M9S_ENT, CSE)

```
243 0239 1 %SBTTL 'Prompt strings'
244 0240 1
245 0241 1
246 0242 1 Build prompt strings
247 0243 1
248 0244 1
249 0245 1 BIND
250 0246 1
251 P 0247 1 PROMPT_STRINGS
252 P 0248 1 (MSE,
253 P 0249 1
254 P 0250 1 DAT, ' (DESTINATION name, or KNOWN): ',
255 P 0251 1 DST, ' DESTINATION (1-16 characters): ',
256 P 0252 1
257 P 0253 1 CTM, 'Counter timer (1-65535 seconds): ',
258 P 0254 1 MCI, 'Maximum circuits (1-65535): ',
259 P 0255 1
260 P 0256 1 ACC, 'Account name (1-39 characters): ',
261 P 0257 1 CMK, 'Call mask (1-32 hex digits): ',
262 P 0258 1 CVL, 'Call value (1-32 hex digits): ',
263 P 0259 1 !! FIL, 'File (filename.typ): ',
264 P 0260 1 !! GRP, 'Group name (1-16 characters): ',
265 P 0261 1 !! NOD, 'Node name (node-name, address): ',
266 P 0262 1 NUM, 'Number (1-16 characters): ',
267 P 0263 1 OBJ, 'Object (name or number): ',
268 P 0264 1 PSW, 'Password (1-39 characters): ',
269 P 0265 1 PRI, 'Priority (0-255): ',
270 P 0266 1 SAD, 'Subaddress range (Range): ',
271 P 0267 1 STA, 'State (ON, OFF): ',
272 P 0268 1 USR, 'User name (1-16 characters): ',
273 0269 1 ),
274 0270 1
275 P 0271 1 PROMPT_STRINGS
276 P 0272 1 (CSE,
277 P 0273 1
278 P 0274 1 DAT, ' (DESTINATION name, or KNOWN): ',
279 P 0275 1 DST, ' DESTINATION (1-16 characters): ',
280 P 0276 1
281 P 0277 1 ALL, 'All X.25 server parameters (Y, N): ',
282 P 0278 1 ALL2, 'All X.25 server destination parameters (Y, N): ',
283 P 0279 1
284 P 0280 1 CTM, 'Counter timer (Y, N): ',
285 P 0281 1 MCI, 'Maximum circuits (Y, N): ',
286 P 0282 1
287 P 0283 1 ACC, 'Account name (Y, N): ',
288 P 0284 1 CMK, 'Call mask (Y, N): ',
289 P 0285 1 CVL, 'Call value (Y, N): ',
290 P 0286 1 FIL, 'File (Y, N): ',
291 P 0287 1 GRP, 'Group name (Y, N): ',
292 P 0288 1 NOD, 'Node name (Y, N): ',
293 P 0289 1 NUM, 'Number (Y, N): ',
294 P 0290 1 OBJ, 'Object (Y, N): ',
295 P 0291 1 PSW, 'Password (Y, N): ',
296 P 0292 1 PRI, 'Priority (Y, N): ',
297 P 0293 1 SAD, 'Subaddress range (Y, N): ',
298 P 0294 1 STA, 'State (Y, N): ',
299 P 0295 1 USR, 'User name (Y, N): ',
```

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X.25 Server Module Parsing
Prompt strings

: 300

0296 1);

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```
.. 302      0297 1 %SBTTL 'Declare entry points to TPARSE tables'
.. 303      0298 1
.. 304      0299 1
.. 305      0300 1      Declare entry points to this TPARSE table
.. 306      0301 1
.. 307      0302 1
.. 308      0303 1 $INIT_STATE (NCP$G_STTBL_MSE, NCP$G_KYTBL_MSE);
.. 309      0304 1
.. 310      0305 1 FORWARD
.. 311      0306 1      ST_M9S: VECTOR [0],      ! Set X29-Server
.. 312      0307 1      ST_CSE: VECTOR [0],      ! Clear X25-SERVER
.. 313      0308 1      ST_C9S: VECTOR [0];      ! Clear X29-SERVER
.. 314      0309 1
.. 315      0310 1 GLOBAL BIND
.. 316      0311 1      NCP$G_STTBL_M9S = ST_M9S,
.. 317      0312 1      NCP$G_KYTBL_M9S = NCP$G_KYTBL_MSE,
.. 318      0313 1      NCP$G_STTBL_CSE = ST_CSE,
.. 319      0314 1      NCP$G_KYTBL_CSE = NCP$G_KYTBL_MSE,
.. 320      0315 1      NCP$G_STTBL_C9S = ST_C9S,
.. 321      0316 1      NCP$G_KYTBL_C9S = NCP$G_KYTBL_MSE;
```

```
.. 323      0317 1 %SBTTL 'SET X25-SERVER and X29-SERVER Module Parameters'
.. 324      0318 1
.. 325      0319 1
.. 326      0320 1 SET/DEFINE MODULE X25-SERVER parameter states
.. 327      0321 1
.. 328      0322 1
.. 329      P 0323 1 $STATE (ST_MSE,
.. 330      P 0324 1 ((ST_MS_COMMON))
.. 331      0325 1 );
.. 332      0326 1
.. 333      P 0327 1 $STATE (
.. 334      P 0328 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_MSE),
.. 335      0329 1 );
.. 336      0330 1
.. 337      0331 1
.. 338      0332 1
.. 339      0333 1 SET/DEFINE MODULE X29-SERVER parameter states
.. 340      0334 1
.. 341      0335 1
.. 342      P 0336 1 $STATE (ST_M9S,
.. 343      P 0337 1 ((ST_MS_COMMON))
.. 344      0338 1 );
.. 345      0339 1
.. 346      P 0340 1 $STATE (
.. 347      P 0341 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_M9S),
.. 348      0342 1 );
```

```
350 0343 1 |
351 0344 1 | Share common states and data structures for X25-Server and X29-Server
352 0345 1 | X25-Server was here first and the naming convention was not changed to
353 0346 1 | reflect the shared nature of the states.
354 0347 1 |
355 P 0348 1 $STATE (ST_MS_COMMON,
356 P 0349 1 (TPAS_EOS, ST_MSE_PMT_DAT),
357 P 0350 1 (TPAS_LAMBDA, ST_MSE_DAT)
358 0351 1 );
359 0352 1 |
360 0353 1 |
361 0354 1 | Determine which x25 server sub-database we are talking about
362 0355 1 | (due to grouping restrictions, the command must not mix
363 0356 1 | sub-database parameters). The sub-database may be either
364 0357 1 | x25 server or destination parameters.
365 0358 1 |
366 0359 1 |
367 P 0360 1 $STATE (ST_MSE_PMT_DAT,
368 0361 1 (TPAS_LAMBDA,, ACT$PRMPT,,, PMT$G_MSE_DAT));
369 0362 1 |
370 P 0363 1 $STATE (ST_MSE_DAT, ! Determine whether DESTINATION parameters
371 P 0364 1 ('DESTINATION', ST_MSE_DAT_DST),
372 P 0365 1 ('KNOWN', ST_MSE_DAT_KWN),
373 0366 1 (TPAS_LAMBDA)); ! Else, assume SERVER-wide
374 0367 1 |
375 0368 1 |
376 0369 1 | Prompt for normal server parameters
377 0370 1 |
378 0371 1 |
379 P 0372 1 $STATE (
380 P 0373 1 (TPAS_EOS), ! Start prompting if EOS
381 0374 1 (TPAS_LAMBDA, ST_MSE_PRC)); ! Else, try parsing parameters
382 0375 1 |
383 P 0376 1 PROMPT_STATES
384 P 0377 1 (MSE,
385 P 0378 1
386 0379 1 CTM, MCI, STA)
387 0380 1 |
388 P 0381 1 $STATE (
389 0382 1 (TPAS_LAMBDA, ST_MSE_DOIT));
390 0383 1 |
391 0384 1 |
392 0385 1 | Prompt for destination parameters
393 0386 1 |
394 0387 1 |
395 P 0388 1 $STATE (ST_MSE_DAT_DST,
396 0389 1 (TPAS_LAMBDA));
397 0390 1 |
398 P 0391 1 COMMAND_PROMPT
399 P 0392 1 (MSE, DST, NCP$_INVKEY,
400 P 0393 1
401 0394 1 ((SE_DEST_NAME),, ACT$SAVPRM, QUALPRESENT, NCP$GL_QUALPRS, PBK$G_MSE_DST));
402 0395 1 |
403 P 0396 1 $STATE (ST_MSE_PMT_DST,
404 P 0397 1 (TPAS_EOS), ! Start prompting if EOS
405 0398 1 (TPAS_LAMBDA, ST_MSE_PRC)); ! Else, try parsing parameters
406 0399 1 |
```


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V04-000

X.25 Server Module Parsing
SET X25-SERVER and X29-SERVER Module Parameters

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```

: 407
: 408
: 409
: 410
: 411
: 412
: 413
: 414

P 0400 1      PROMPT_STATES
P 0401 1      (MSE,
P 0402 1      ACC, CMK, CVL, GRP, NUM, OBJ, PSW,
P 0403 1      PRI, SAD, USR)
P 0404 1
P 0405 1 $STATE (ST_MSE_DOIT,
P 0406 1      (TPAS_LAMBDA, TPAS_EXIT),
P 0407 1      );
```

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```

: 416      0408 1 |
: 417      0409 1 |
: 418      0410 1 |
: 419      0411 1 |
: 420      P 0412 1 $STATE (ST_MSE_DAT_KWN,
: 421      P 0413 1 (TPAS_EOS, ST_MSE_PMT_DST, ACT$SAVPRM,,, PBK$G_MSE_KDS),
: 422      P 0414 1 ('DESTINATIONS', ST_MSE_PMT_DST, ACT$SAVPRM,,, PBK$G_MSE_KDS),
: 423      0415 1 );
```

Dispatch on KNOWN keyword during prompting

```
425 0416 1
426 0417 1
427 0418 1
428 0419 1
429 0420 1
430 P 0421 1 $STATE (ST_MSE_PRC,
431 P 0422 1 ((SE_ALL), ST_MSE_DOIT),
432 P 0423 1
433 P 0424 1
434 P 0425 1 DISPATCH_STATES
435 P 0426 1 (MSE,
436 P 0427 1
437 P 0428 1 ACC, 'ACCOUNT',
438 P 0429 1 CAL, 'CALL',
439 P 0430 1 CTM, 'COUNTER',
440 P 0431 1 DST, 'DESTINATION',
441 P 0432 1 FIL, 'FILE',
442 P 0433 1 GRP, 'GROUP',
443 P 0434 1 KWN, 'KNOWN',
444 P 0435 1 MCI, 'MAXIMUM',
445 P 0436 1 NOD, 'NODE',
446 P 0437 1 NUM, 'NUMBER',
447 P 0438 1 OBJ, 'OBJECT',
448 P 0439 1 PSW, 'PASSWORD',
449 P 0440 1 PRI, 'PRIORITY',
450 P 0441 1 SAD, 'SUBADDRESSES',
451 P 0442 1 STA, 'STATE',
452 P 0443 1 USR, 'USER',
453 P 0444 1 )
454 P 0445 1
455 P 0446 1 ,(TPAS_EOS, ST_MSE_DOIT)
456 0447 1 ;
```



```

458      0448 1
459      0449 1
460      0450 1
461      0451 1
462      0452 1
463      P 0453 1 $STATE (ST_MSE_PRC_KWN,
464      0454 1 ((SE_MSE_KWN), ST_MSE_PRC));
465      0455 1
466      P 0456 1 $STATE (SE_MSE_KWN,
467      P 0457 1
468      P 0458 1 KEYWORD_STATE
469      P 0459 1 (MSE,
470      P 0460 1
471      P 0461 1 KDS, 'DESTINATIONS',
472      P 0462 1
473      0463 1 ));
474      0464 1
475      0465 1
476      0466 1
477      0467 1
478      0468 1
479      P 0469 1 $STATE (ST_MSE_PRC_CAL,
480      P 0470 1
481      P 0471 1 DISPATCH_STATES
482      P 0472 1 (MSE,
483      P 0473 1
484      P 0474 1 CMK, 'MASK',
485      P 0475 1 CVL, 'VALUE',
486      P 0476 1
487      0477 1 ));
488      0478 1
489      0479 1
490      0480 1
491      0481 1
492      0482 1
493      P 0483 1 $STATE (ST_MSE_STA,
494      P 0484 1
495      P 0485 1 KEYWORD_STATE
496      P 0486 1 (MSE,
497      P 0487 1
498      P 0488 1 STAON, 'ON',
499      P 0489 1 STAOFF, 'OFF',
500      P 0490 1
501      0491 1 ));
```

503	0492	1	
504	0493	1	
505	0494	1	
506	0495	1	
507	0496	1	
508	P 0497	1	Process states
509	P 0498	1	PROCESS_STATES
510	P 0499	1	(MSE,
511	P 0500	1	ACC.,
512	P 0501	1	CMK.,
513	P 0502	1	CVL.,
514	P 0503	1	CTM, 'TIMER',
515	P 0504	1	DST.,
516	P 0505	1	FIL.,
517	P 0506	1	GRP.,
518	P 0507	1	MCI, 'CIRCUITS',
519	P 0508	1	NOD.,
520	P 0509	1	NUM.,
521	P 0510	1	OBJ.,
522	P 0511	1	PSW.,
523	P 0512	1	PRI.,
524	P 0513	1	SAD.,
525	P 0514	1	USR.,
526	P 0515	1	STA.,
527	0516	1)

```
529      0517 1 1
530      0518 1 1
531      0519 1 1
532      0520 1 1
533      0521 1 1
534      0522 1 1
535      0523 1 1
536      0524 1 1
537      0525 1 1
538      0526 1 1
539      0527 1 1
540      0528 1 1
541      0529 1 1
542      0530 1 1
543      0531 1 1
544      0532 1 1
545      0533 1 1
546      0534 1 1
547      0535 1 1
548      0536 1 1
549      0537 1 1
550      0538 1 1
551      0539 1 1
552      0540 1 1
```

Subexpression states

SUB EXPRESSIONS
(MSE,

CTM, TPAS DECIMAL,
MCI, TPAS DECIMAL,
NOD, (SE_NODE_ID),
USR, (SE_ACC_USR),
PSW, (SE_ACC_PSW),
ACC, (SE_ACC_ACC),
OBJ, (SE_OBJECT_ID),
PRI, TPAS DECIMAL,
CMK, (SE_HEX_NUM),
CVL, (SE_HEX_NUM),
GRP, (SE_GRP_NAME),
M, (SE_DTE_NUMBER),
JAD, (SE_SUBADR_RANGE),
FIL, (SE_FILE_ID),
)


```
554      0541 1 %SBTTL 'CLEAR X25-SERVER Module Parameters'
555      0542 1
556      0543 1
557      0544 1
558      0545 1
559      0546 1
560      P 0547 1 $STATE (ST_CSE,
561      P 0548 1 ((ST_CS_COMMON))
562      0549 1 );
563      0550 1
564      P 0551 1 $STATE (
565      P 0552 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CSE),
566      0553 1 );
567      0554 1
568      0555 1
569      0556 1
570      0557 1
571      0558 1
572      P 0559 1 $STATE (ST_C9S,
573      P 0560 1 ((ST_CS_COMMON))
574      0561 1 );
575      0562 1
576      P 0563 1 $STATE (
577      P 0564 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_C9S),
578      0565 1 );
579      0566 1
```

```
581      0567 1 |
582      0568 1 |
583      0569 1 |
584      0570 1 |
585      0571 1 |
586      0572 1 |
587      0573 1 |
588      0574 1 |
589      0575 1 |
590      0576 1 |
591      0577 1 |
592      0578 1 |
593      0579 1 |
594      0580 1 |
595      0581 1 |
596      0582 1 |
597      0583 1 |
598      0584 1 |
599      0585 1 |
600      0586 1 |
601      0587 1 |
602      0588 1 |
603      0589 1 |
604      0590 1 |
605      0591 1 |
606      0592 1 |
607      0593 1 |
608      0594 1 |
609      0595 1 |
610      0596 1 |
611      0597 1 |
612      0598 1 |
613      0599 1 |
614      0600 1 |
615      0601 1 |
616      0602 1 |
617      0603 1 |
618      0604 1 |
619      0605 1 |
620      0606 1 |
621      0607 1 |
622      0608 1 |
623      0609 1 |
624      0610 1 |
625      0611 1 |
626      0612 1 |
627      0613 1 |
628      0614 1 |
629      0615 1 |
630      0616 1 |
631      0617 1 |
632      0618 1 |
633      0619 1 |
634      0620 1 |
635      0621 1 |
636      0622 1 |
637      0623 1 |

P 0572 1 $STATE (ST_CS_COMMON,
P 0573 1 (TPAS_EOS, ST_CSE_PMT_DAT),
P 0574 1 (TPAS_LAMBDA, ST_CSE_DAT)
0575 1 );
0576 1
0577 1 |
0578 1 |
0579 1 |
0580 1 |
0581 1 |
0582 1 |
0583 1 |
0584 1 $STATE (ST_CSE_PMT_DAT,
0585 1 (TPAS_LAMBDA, ACT$PRMPT, PMT$G_CSE_DAT));
0586 1
0587 1 $STATE (ST_CSE_DAT, ! Determine whether DESTINATION parameters
0588 1 ('DESTINATION', ST_CSE_DAT_DST),
0589 1 ('KNOWN', ST_CSE_DAT_KWN),
0590 1 (TPAS_LAMBDA)); ! Else, assume SERVER-wide
0591 1
0592 1 |
0593 1 |
0594 1 |
0595 1 |
0596 1 $STATE (
0597 1 (TPAS_EOS), ! Start prompting if EOS
0598 1 (TPAS_LAMBDA, ST_CSE_PRC)); ! Else, try parsing parameters
0599 1
0600 1 QUERY_STATES
0601 1 (CSE,
0602 1
0603 1 ALL, CTM, FIL, MCI, STA)
0604 1
0605 1 $STATE (
0606 1 (TPAS_LAMBDA, ST_CSE_DOIT));
0607 1
0608 1 |
0609 1 |
0610 1 |
0611 1 |
0612 1 $STATE (ST_CSE_DAT_DST,
0613 1 (TPAS_LAMBDA));
0614 1
0615 1 COMMAND_PROMPT
0616 1 (CSE, DST, NCP$_INVKEY,
0617 1
0618 1 ((SE_DEST_NAME),, ACT$SAVPRM, PBK$G_CSE_DST));
0619 1
0620 1 $STATE (ST_CSE_PMT_DST,
0621 1 (TPAS_EOS), ! Start prompting if EOS
0622 1 (TPAS_LAMBDA, ST_CSE_PRC)); ! Else, try parsing parameters
0623 1
```

```

: 638
: 639
: 640
: 641
: 642
: 643
: 644
: 645
: 646

P 0624 1 QUERY_STATES_S
P 0625 1 (CSE,
P 0626 1 ALL, ALL2,
P 0627 1 ACC, ACC, CMK, CMK, CVL, CVL, GRP, GRP, NOD, NOD, NUM, NUM,
P 0628 1 OBJ, OBJ, PSW, PSW, PRI, PRI, SAD, SAD, USR, USR)
P 0629 1
P 0630 1 $STATE (ST_CSE_DOIT,
P 0631 1 (TPAS_LAMBDA, TPAS_EXIT),
P 0632 1 );
```

```

: 648      0633 1 |
: 649      0634 1 | Dispatch on KNOWN keyword during prompting
: 650      0635 1 |
: 651      0636 1 |
: 652      P 0637 1 $STATE (ST_CSE_DAT_KWN,
: 653      P 0638 1 (TPAS_EOS, ST_CSE_PMT_DST, ACT$SAVPRM,,, PBK$G_CSE_KDS),
: 654      P 0639 1
: 655      P 0640 1 ('DESTINATIONS', ST_CSE_PMT_DST, ACT$SAVPRM,,, PBK$G_CSE_KDS),
: 656      0641 1 );
```



```
.. 658      0642  1
.. 659      0643  1
.. 660      0644  1      Dispatch States
.. 661      0645  1
.. 662      0646  1
.. 663      P 0647  1  $STATE (ST_CSE_PRC,
.. 664      P 0648  1
.. 665      P 0649  1      DISPATCH_STATES
.. 666      P 0650  1      (CSE,
.. 667      P 0651  1
.. 668      P 0652  1      ALL, 'ALL',
.. 669      P 0653  1      ACC, 'ACCOUNT',
.. 670      P 0654  1      CAL, 'CALL',
.. 671      P 0655  1      CTM, 'COUNTER',
.. 672      P 0656  1      DST, 'DESTINATION',
.. 673      P 0657  1      FIL, 'FILE',
.. 674      P 0658  1      GRP, 'GROUP',
.. 675      P 0659  1      KWN, 'KNOWN',
.. 676      P 0660  1      MCI, 'MAXIMUM',
.. 677      P 0661  1      NOD, 'NODE',
.. 678      P 0662  1      NUM, 'NUMBER',
.. 679      P 0663  1      OBJ, 'OBJECT',
.. 680      P 0664  1      PSW, 'PASSWORD',
.. 681      P 0665  1      PRI, 'PRIORITY',
.. 682      P 0666  1      SAD, 'SUBADDRESSES',
.. 683      P 0667  1      STA, 'STATE',
.. 684      P 0668  1      USR, 'USER',
.. 685      P 0669  1      )
.. 686      P 0670  1
.. 687      P 0671  1      (TPAS_EOS, ST_CSE_DOIT)
.. 688      0672  1      );
```

```
690      0673 1
691      0674 1
692      0675 1      Dispatch on KNOWN keyword
693      0676 1
694      0677 1
695      P 0678 1 $STATE (ST_CSE_PRC_KWN,
696      0679 1      ((SE_CSE_KWN), ST_CSE_PRC));
697      0680 1
698      P 0681 1 $STATE (SE_CSE_KWN,
699      0682 1
700      P 0683 1      KEYWORD_STATE
701      P 0684 1      (CSE,
702      P 0685 1
703      P 0686 1      KDS, 'DESTINATIONS',
704      P 0687 1
705      0688 1      ));
706      0689 1
707      0690 1
708      0691 1      Dispatch on CALL keyword
709      0692 1
710      0693 1
711      P 0694 1 $STATE (ST_CSE_PRC_CAL,
712      P 0695 1
713      P 0696 1      DISPATCH_STATES
714      P 0697 1      (CSE,
715      P 0698 1
716      P 0699 1      CMK, 'MASK',
717      P 0700 1      CVL, 'VALUE',
718      P 0701 1
719      0702 1      ));
```

```

: 721      0703      1
: 722      0704      1
: 723      0705      1
: 724      0706      1
: 725      0707      1
: 726      P 0708      1
: 727      P 0709      1
: 728      P 0710      1
: 729      P 0711      1
: 730      P 0712      1
: 731      P 0713      1
: 732      P 0714      1
: 733      P 0715      1
: 734      P 0716      1
: 735      P 0717      1
: 736      P 0718      1
: 737      P 0719      1
: 738      P 0720      1
: 739      P 0721      1
: 740      P 0722      1
: 741      P 0723      1
: 742      P 0724      1
: 743      P 0725      1
: 744      P 0726      1
: 745      P 0727      1
: 746      P 0728      1
: 747      0729      1

```

Process states

PROCESS_STATES
(CSE,

ALL, .
ACC, .
CMK, .
CVL, .
CTM, 'TIMER',
DST, .
FIL, .
GRP, .
MCI, 'CIRCUITS',
NOD, .
NUM, .
OBJ, .
PSW, .
PRI, .
SAD, .
STA, .
USR, .
)

```

: 749      0730 1
: 750      0731 1
: 751      0732 1
: 752      0733 1
: 753      0734 1
: 754      P 0735 1
: 755      P 0736 1
: 756      P 0737 1
: 757      P 0738 1
: 758      P 0739 1
: 759      P 0740 1
: 760      P 0741 1
: 761      P 0742 1
: 762      P 0743 1
: 763      P 0744 1
: 764      P 0745 1
: 765      P 0746 1
: 766      P 0747 1
: 767      P 0748 1
: 768      P 0749 1
: 769      P 0750 1
: 770      P 0751 1
: 771      P 0752 1
: 772      P 0753 1
: 773      P 0754 1
: 774      P 0755 1
: 775      0756 1

```

Subexpression states

SUB EXPRESSIONS
(CSE,

ALL, TPAS_EOS,

CTM, TPAS_LAMBDA,
MCI, TPAS_LAMBDA,
NOD, TPAS_LAMBDA,
USR, TPAS_LAMBDA,
PSW, TPAS_LAMBDA,
ACC, TPAS_LAMBDA,
OBJ, TPAS_LAMBDA,
PRI, TPAS_LAMBDA,
CMK, TPAS_LAMBDA,
CVL, TPAS_LAMBDA,
GRP, TPAS_LAMBDA,
NUM, TPAS_LAMBDA,
SAD, TPAS_LAMBDA,

FIL, TPAS_LAMBDA,
STA, TPAS_LAMBDA,
)

```

: 777      0757 1 %SBTTL 'Define Subexpressions'
: 778      0758 1
: 779      0759 1 |
: 780      0760 1 | Define Subexpressions from Library
: 781      0761 1 |
: 782      0762 1 |
: 783      0763 1 | SEM_ALL | All parameter
: 784      0764 1 | SEM_NODE_ID | Node ID
: 785      0765 1 | SEM_DTE_NUMBER | DTE call number string
: 786      0766 1 | SEM_FILE_ID | File spec
: 787      0767 1 | SEM_GRP_NAME | Group name
: 788      0768 1 | SEM_DEST_NAME | Destination name
: 789      0769 1 | SEM_SUBADR_RANGE | Subaddress range
: 790      0770 1 | SEM_ACCESS | Access control strings
: 791      0771 1 | SEM_HEX_NUM | Hex strings
: 792      0772 1 | SEM_QUOT_STR | Quoted string
: 793      0773 1 | SEM_OBJECT_ID | Object name/number
: 794      0774 1 | SEM_QUERY | Query state subexpressions

```


NCPSTAMSE
V04-000

X.25 Server Module Parsing
Define Subexpressions

: 796
: 797

0775 1 END
0776 0 ELUDOM

E 15
16-Sep-1984 01:03:20
14-Sep-1984 12:48:30

VAX-11 Bliss-32 V4.0-742
[NCP.SRC]NCPSTAMSE.B32;1

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